Commands to Control Device

New OTA firmware upgrade command.

To try it via over-the-air update, use these commands:
> **fwe**
> **fwd B6FMA186**

The board will reboot after the first command, this is normal.

After the second command wait 1-3 minutes (seems like a long time).

After it resets again, go back to BlueFruit and press "info" the software should be 3.0.186

The default wakeup interval is still 4 hours (14400 seconds).

To configure a unit for a different wakeup interval:
>wakt 600 (this would be 60*10 = 10 minutes)

No beeps (Command to turn off the beeps)

nvap 6 120000 14400000 15000 5000 0 223 1 3

Command to Restore Beeps

nvap 6 120000 14400000 15000 5000 0 223 1 65535

Main Menu commands
---- SubMenus -------------------------
>i - I2C menu
>l - Log menu
>M - Modem menu
---- Device Control Cmds ---------------
>D [n] - set debug level to [n]

>info - Show device info
>cota - CDMA OTA reprovision
>svrm [name] - Set server main
>nvmr - Non-volatile memory revert
>t - show system uptime
>rst - Hard reset

---- General Cmds ----------
>c [str] - Execute remote command manually
>batq - Query battery state
>slp - Go to sleep immediately
>slpt [n] - Set sleep timeout to [n] seconds
>wakt [n] - Set wake timeout to [n] hours
>sus - Suspend immediately
>sts - Show statistics and send to server
>bt [n] - Bluetooth disable/enable: n=0/1
>dsms [n] - DebugSMS configure 0/1=disabled/enabled
>wss [p] [s] - WiMM Server Send [p]ort, [s]tring
>wsr - WiMM Server Recv

---- Pos/Log Cmds ----------
>pn - Position now
>plc {i} {t} - Position log ctrl, [i]nterval, [t]ripId Stop Logging
>pla {i} {t} - Position log auto, [i]nterval, [t]ripId
>plb {n} - Position log batch [n] records
>ple - Position log erase

--- Alarm Cmds ----------
>alm [m] - Alarm mode: m=0/1/2: Off/On/FireNow
---- Firmware Cmds ----------
>fwd [v] - Firmware Download (WIMM{v}.hex)
>fwl {i} - Firmware Launch (i=0/1: ImgA/B)
>fwe - Firmware Erase (ImgB)

To change the alarm delay

You must be running firmware 145 or later.
To change the alarm delay, you can use the following command:
nvap 3 240000 14400000 <alarm delay in milliseconds>

So If you want the default delay of 15 seconds:
nvap 3 240000 14400000 15000

If you want a delay of 0 seconds:

nvap 3 240000 14400000 0

2 Second Delay

nvap 3 240000 14400000 2000 5000 1

Longer alarm

nvap 3 480000 14400000 2000 5000 1

Extra Long Alarm

Nvap 3 480000 50000000 2000 5000 1

Extra long alarm

Change the second-to-last number to 180000:

Normal alarm (5sec): >nvap 3 240000 14400000 15000 5000 1
Extra long alarm (3min=180sec): >nvap 3 240000 14400000 15000 180000 1

GPS chatter reduction

A) Increase the minimum trip speed to 5 km/hr (is currently 3km/hr). This will reduce the chance a unit logs false trips due to GPS chatter. **About 1 hour firmware time investment to change the firmware default, but you can even try this on units today issuing the command: 'nvap 5 240000 14400000 15000'**